6. (Amended) The system defined in Claim 11 wherein each tunneled request includes a tunneling header and a tunneling data portion, wherein the tunneling data portion is specific to each tunneling packet type and tunneling transaction type, and the tunneling header is common among tunneling packet types.

13. (Amended) The system defined in Claim 11 wherein the interface comprises a remote peripheral server.

14. (Amended) The system defined in Claim 11 wherein the network comprises an Internet Protocol (IP) Ethernet network.

15. (Amended) The system defined in Claim 11 wherein the bus comprises a serial bus.

16. (Amended) The system defined in claim 11 wherein the bus comprises a parallel bus.

17. (Amended) The system defined in Claim 11 wherein the bus adheres to the IEEE-1394 bus standard.

18. (Amended) The system defined in Claim 11 wherein the bus adheres to the Universal Serial Bus Standard (USB).

Please cancel claim 22 without prejudice.

23. (Amended) The system defined in Claim 30 wherein the bus device generates isochronous data and the network operates asynchronously, such that isochronous data is transported over an asynchronous network.

24. (Amended) The system defined in Claim 30 wherein the interface generates network packets that encapsulate the bus events in a network protocol portion.

Please cancel claim 28 without prejudice.

29. (Amended) The system defined in Claim 30 wherein the tunneling header indicates the packet type and transaction type.

Please cancel claim 33 without prejudice.

34. (Amended) The system defined in Claim 38 wherein the bus device generates isochronous data and the network operates asynchronously, such that isochronous data is transported over an asynchronous network.

35. (Amended) The system defined in Claim 38 wherein the interface generates network packets that encapsulate the bus events in a network protocol portion.

36. (Amended) The system defined in Claim 38 wherein the tunneling header includes a field which specifies the type of packet as one of a group of control packet, a serial bus tunneled packet, or an ownership packet.

Please cancel claim 37 without prejudice.

Please add the following new claims

40. (New) The system defined in Claim 12 ~~wherein the bus device~~ generates isochronous data ~~and the~~ network operates asynchronously, such that isochronous data is transported over an asynchronous network.

41. (New) The system defined in Claim 12 wherein the interface generates network packets that encapsulate the bus events in a network protocol portion.

42. (New) The system defined in Claim 41 wherein the network protocol portion comprises an Internet Protocol (IP) portion.

43. (New) The system defined in Claim 41 wherein the network protocol portion includes a header for information to recreate bus events.

44. (New) The system defined in Claim 12 wherein each tunneled request includes a tunneling header and a tunneling data portion, wherein the tunneling data portion is specific to each tunneling packet type and tunneling transaction type, and the tunneling header is common among tunneling packet types.

45. (New) The system defined in Claim 12 wherein the interface comprises a remote peripheral server.

46. (New) The system defined in Claim 12 wherein the network comprises an Internet Protocol (IP) Ethernet network.

47. (New) The system defined in Claim 12 wherein the bus adheres to the IEEE-1394 bus standard.

48. (New) The system defined in Claim 12 wherein the bus adheres to the Universal Serial Bus Standard (USB).

49. (New) The system defined in Claim 31 wherein the bus device generates isochronous data and the network operates asynchronously, such that isochronous data is transported over an asynchronous network.

50. (New) The system defined in Claim 31 wherein the interface generates network packets that encapsulate the bus events in a network protocol portion.

51. (New) The system defined in Claim 50 wherein the network protocol portion includes a header for information to recreate bus events.

52. (New) The system defined in Claim 31 wherein the tunneling header indicates the packet type and transaction type.

53. (New) The system defined in Claim 39 wherein the bus device generates isochronous data and the network operates asynchronously, such that isochronous data is transported over an asynchronous network.

54. (New) The system defined in Claim 39 wherein the interface generates network packets that encapsulate the bus events in a network protocol portion.

55. (New) The system defined in Claim 39 wherein the tunneling header includes a field which specifies the type of packet as one of a group of control packet, a serial bus tunneled packet, or an ownership packet.